

Converting Colors

CIELCh(85, 47.956, 79.677)

Have a look what the booklet for
CIELCh(85, 47.956, 79.677) contains.

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Color

CIELCh(85, 47.694, 79.590)

Conversions

Conversions Part 1

Format	Color
Hex	FFCC7B
RGB	255, 204, 123
RGB Percent	100%, 80%, 48%
CMY	0.0000, 0.1992, 0.5169
CMYK	0.00, 0.20, 0.52, 0.00
HSL	37°, 100%, 74%
HSV	37°, 52%, 100%
XYZ	66.5377, 66.0070, 28.0303
YIQ	210.0150, 56.3970, -14.3790

Conversions

Conversions Part 2

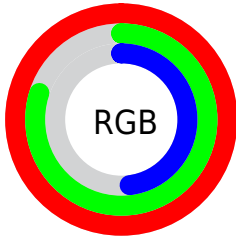
Format	Color
R _Y B	206, 255, 123
Decimal	16764027
CIE Lab	85.00, 8.62, 46.91
CIE LCh	85, 47.694, 79.590
Yxy	66.0070, 0.4144, 0.4111
Android (android.graphics.Color)	4294954107 (0xFFFFCC7B)
YUV	210.0150, -42.8984, 39.4518
Hunter-Lab	81.2447, 4.0095, 36.4156

Details

The CIELCh color **85, 47.694, 79.590** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **71, 45.599, 276.756**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 39.118, 107.193**, and **65, 47.681, 79.357** is the 20% darker color. If you saturate the color by 10%, you get **82, 57.191, 78.172**, and if you desaturate by 10%, it is **88, 38.037, 81.130**.

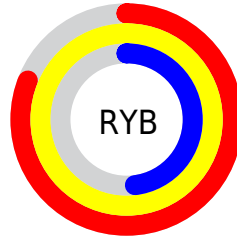
Distribution



Red (100%)

Green (80%)

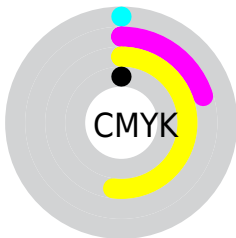
Blue (48%)



Red (81%)

Yellow (100%)

Blue (48%)

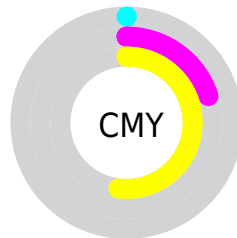


Cyan (0%)

Magenta (20%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 47.694, 79.590 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 85, 47.694, 79.590 by changing the saturation by 10% instead.

 85, 47.694, 79.590

 85, 47.694, 79.590

 100, 47.694,
79.590

 75, 47.694, 79.590

 65, 47.694, 79.590

 55, 47.694, 79.590

 45, 47.694, 79.590

 35, 47.694, 79.590

 25, 47.694, 79.590

 15, 47.694, 79.590

 5, 47.694, 79.590

 0, 47.694, 79.590

85, 47.694, 79.590

85, 47.694, 79.590

82, 57.191, 78.172

88, 38.037, 81.130

80, 66.267, 76.542

91, 28.545, 82.532

77, 74.185, 74.680

93, 19.265, 83.892

75, 79.932, 72.379

96, 10.234, 85.203

73, 82.725, 70.036

99, 1.454, 86.289

100, 0.012,
296.813

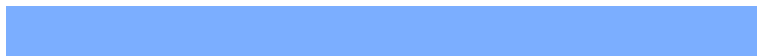
Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85, 47.694, 79.590



71, 45.599, 276.756

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 47.694, 79.590



85, 47.694, 129.590



85, 47.694, 259.590



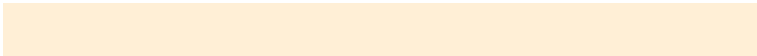
85, 47.694, 309.590

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



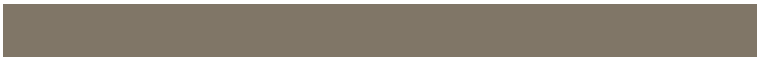
85, 47.652, 79.684



95, 14.091, 84.646



68, 55.677, 355.963



50, 9.542, 84.376



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 47.652, 79.684



82, 57.478, 78.125



97, 64.578, 109.973



52, 4.958, 85.481



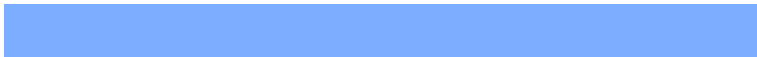
56, 66.576, 70.661



18, 27.506, 73.307

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71, 45.599, 276.756



65, 55.000, 279.897



59, 74.494, 300.393



50, 4.927, 268.052



35, 72.411, 293.513



9, 29.067, 287.921

Previews

White Background



This preview shows how the CIELCh color 85, 47.694, 79.590 looks on a white background.

Color Contrast Check

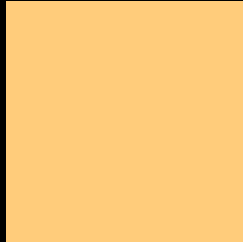
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 85, 47.694, 79.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 47.694, 79.590

Background



This preview shows how black text looks on a background with the CIELCh color 85, 47.694, 79.590.

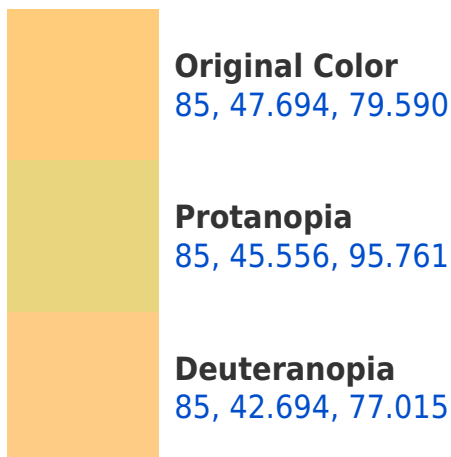


This preview shows how white text looks on a background with the CIELCh color 85, 47.694, 79.590.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
85, 22.506, 5.117

Trichromacy



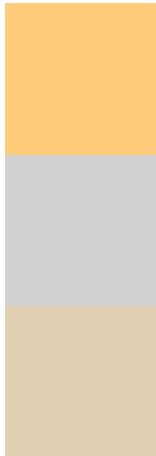
Original Color
85, 47.694, 79.590

Protanomaly
85, 45.882, 89.908

Deuteranomaly
85, 44.510, 78.035

Tritanomaly
85, 24.799, 48.194

Monochromacy



Original Color
85, 47.694, 79.590

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 17.237, 84.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 47.694, 79.590 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 204, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 123)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 204, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 47.694, 79.590 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 204, 123) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 204, 123) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 204, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 47.694, 79.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 123) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
204, 123) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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